

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q85473

Kohei TAMAO, et al.

Appln. No.: 10/518,713

Group Art Unit: Unassigned

Confirmation No.: Unassigned

Examiner: Unassigned

Filed: December 22, 2004

For: POLYMER AND POLYMERIC LUMINESCENT ELEMENT COMPRISING THE SAME

REQUEST FOR REFUND

MAIL STOP 16

Director of the U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants hereby respectfully request a refund in the amount of \$100.00. This refund is to be credited to Deposit Account No. 19-4880.

Applicants believe that revised 37 C.F.R. § 1.492 allows reduced search and examination fees for applications in which the national fee was not filed before December 8, 2004. The above-referenced application was filed on December 22, 2004, with a copy of the International Search Report. (A copy of the copy of transmittal letter and PTO stamped Serial Number Card is attached.) Therefore, Applicants believe they are entitled to the reduced fee. A duplicate copy of this paper is attached.

Respectfully submitted,



John T. Callahan
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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: March 30, 2005

(TRANSLATION)
PATENT COOPERATION TREATY
PCT
INTERNATIONAL SEARCH REPORT
(PCT Article 18 and Rules 43 and 44)

| | |
|---|---|
| Applicant's or agent's file reference W1072-00 | <div style="display: flex; justify-content: space-between;"><div>FOR FURTHER ACTION</div><div>see Notification of Transmittal of International Search Report (Form PCT/ISA220) as well as, what applicable, item 5 below.</div></div> |
| International application No. PCT/JP03/08050 | <div style="display: flex; justify-content: space-between;"><div>International Filing date (<i>day/month/year</i>) 25.06.03</div><div>(Earliest) Priority Date (<i>day/month/year</i>) 26.06.02</div></div> |
| Applicant: <div style="text-align: center; font-weight: bold; margin-top: 10px;">SUMITOMO CHEMICAL COMPANY LIMITED</div> | |

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless other wise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (See Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☒ None of the figures.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/08050

| A. CLASSIFICATION AND SUBJECT MATTER Int.Cl ⁷ C08G61/10, 61/12, H05B33/14, C09K11/06, C09D11/00 According to International Patent Classification (IPC) or to both national classification and IPC | | |
|---|--|--|
| B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ C08G61/10, 61/12, H05B33/14, C09K11/06, C09D11/00 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPI (L) | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | |
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| A | EP 1043382 A2 (Sumitomo Chemical Co., Ltd.), 11 October, 2000 (11.10.00), Claims & JP 2001-3045 A Claims | 1-26 |
| A | WO 03/000821 A1 (Sumitomo Chemical Co., Ltd.), 03 January, 2003 (03.01.03), Claims & JP 2001-181618 A Claims | 1-26 |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex. | | |
| * Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed | | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family |
| Date of the actual completion of the international search 17 September, 2003 (17.09.03) | | Date of mailing of the international search report 07 October, 2003 (07.10.03) |
| Name and mailing address of the ISA/ Japanese Patent Office | | Authorized officer |
| Facsimile No. | | Telephone No. |

Form PCT/ISA/210 (second sheet) (July 1998)

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/08050

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| A | WO 01/49768 A2 (Cambridge Display Technology Ltd.), 12 July, 2001 (12.07.01), Claims & JP 2003-519266 A Claims | 1-26 |

Form PCT/ISA/210 (continuation of second sheet) (July 1998)

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December 22, 2004

MAIL STOP PCT

Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

PCT/JP2003/008050
-filed June 25, 2003

Re: Application of Kohei TAMAO, Shigehiro YAMAGUCHI,
Makoto KITANO, Satoshi KOBAYASHI, and
Chizu SEKINE
POLYMER AND POLYMERIC LUMINESCENT ELEMENT COMPRISING
THE SAME
Assignees: SUMITOMO CHEMICAL COMPANY, LIMITED
and KANSAI TECHNOLOGY LICENSING
ORGANIZATION CO., LTD.

Our Ref: Q85473

Dear Sir:

DEC 22 2004

The following documents and fees are submitted herewith in connection with the above application for the purpose of entering the National stage under 35 U.S.C. §371 and in accordance with the Patent Cooperation Treaty:

- ☒ an English translation of the International Application. Also enclosed are the first two pages of WO 2004/003053 A1.
- ☒ 0 sheets of drawings.
- ☒ a copy of Notification Concerning Submission or Transmittal of Priority Document (Form PCT/IB/304).
- ☒ a PTO/SB/08 A & B (modified) listing the ISR/IPER references. Also enclosed is a copy of the English translation of the International Search Report.
- ☒ a copy of each reference cited in the ISR/IPER.
- ☒ a Preliminary Amendment.
- ☒ It is expressly requested that the national stage of processing be commenced immediately in accordance with 35 U.S.C. § 371(f).

A copy of the Declaration and Power of Attorney, and a copy of the Assignment will be submitted at a later date.



Commissioner for Patents
December 22, 2004
Page 2

It is assumed that copies of the International Application, the International Preliminary Examination Report, and any Articles 19 and 34 amendments as required by §371(c) will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.

The Government filing fee is calculated, **after entry of the Preliminary Amendment**, as follows:

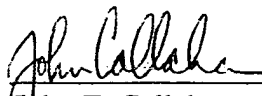
| | | | | | | | | | |
|--------------------------|-----------|---|-----------|---|-----------------|---|----------|---|-------------------------|
| Total claims | <u>26</u> | - | <u>20</u> | = | <u>6</u> | x | \$50.00 | = | <u>\$300.00</u> |
| Independent claims | <u>1</u> | - | <u>3</u> | = | <u> </u> | x | \$200.00 | = | <u>\$0.00</u> |
| Base Fee | | | | | | | | | <u>\$300.00</u> |
| Search Fee | | | | | | | | | <u>\$500.00</u> |
| Examination Fee | | | | | | | | | <u>\$200.00</u> |
| Excess Application Pages | | | | | | | | | <u>\$250.00</u> |
| TOTAL FEE | | | | | | | | | <u>\$1550.00</u> |

A check for the statutory filing fee of \$1550.00 is attached. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this transmittal letter is attached.

Priority is claimed from:

| <u>Country</u> | <u>Application No</u> | <u>Filing Date</u> |
|----------------|-----------------------|--------------------|
| Japan | 2002-185712 | June 26, 2002 |
| Japan | 2002-281218 | September 26, 2002 |

Respectfully submitted,



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